

SECTION 305 – PAVED AREAS

Required Conditions of Paved Areas

Airport pavement areas available to air carriers, including aprons available for air carrier operations, shall be promptly repaired and maintained as follows:

1. Pavement edges shall not exceed three (3) inches difference in elevation between abutting pavement sections and between pavement and abutting areas.
2. Pavement shall have no holes exceeding three (3) inches in depth, nor any hole the slope of which from any point in the hole to the nearest point at the lip of the hole is forty-five (45) degrees or greater as measured from the pavement surface plane, unless, in either case, the entire area of the hole can be covered by a five (5) inch diameter circle.
3. The pavement shall be free of cracks and surface variations that could impair directional control of an air carrier aircraft. Any pavement crack or surface deterioration that produces loose aggregate or other contaminants shall be promptly repaired.
4. Mud, dirt, sand, loose aggregate, debris, foreign objects, rubber deposits, and other contaminants shall be removed promptly and as completely as practicable, except the associated use of materials such as sand and deicing solutions for snow and ice control.
5. Any chemical solvent that is used to clean any pavement area shall be removed as soon as possible, consistent with the instructions of the manufacturer of the solvent, except for the associated use of deicing solutions for snow and ice control.
6. Pavement shall be sufficiently drained and free of depressions to prevent ponding that obscures markings or impairs safe aircraft operations.

Maintenance of Paved Areas

ARFF/Airport Police shall conduct scheduled inspections of the paved areas designated for air carrier operations. Unsatisfactory conditions shall be documented on the Daily Airfield Inspection Checklist and Airport Maintenance shall be notified and initiate corrective action as soon as practical. If determine the uncorrected condition is unsafe or not in compliance with FAR Part 139 Section 305, an Airport Condition Report shall be completed and FSS notified of the condition for dissemination using the Notice to Airmen (NOTAM) system. If the information does not qualify for a NOTAM, the airport condition report information shall be disseminated locally to BFI ATCT and air carriers.

Paved Areas Available for Air Carriers

The following paved runway and taxiway areas are available for air carrier operations:

- Runway 13R/31L
- Special Use Pavement
- Taxiway Zulu
- Taxiway Bravo (full length)
- Taxiway Bravo-1, Bravo-2, Bravo-3, Bravo-4, Bravo-5, Bravo-7, Bravo-9, Bravo-10
- Taxiway Alpha (full length)
- Taxiway Alpha-1, Alpha-2, Alpha-4, Alpha-7, Alpha-9, Alpha-10, Alpha-11

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Section 305 Page 1 of 1

(3) Airport communications, including radio communication between the air traffic control tower and personnel, use of the common traffic advisory frequency if there is no air traffic control tower or the tower is not in operation, and procedures for reporting unsafe airport conditions.

(4) Duties required under the Airport Certification Manual and the requirements of this part.

(5) Any additional subject areas required under §§139.319, 139.321, 139.327, 139.329, 139.337, and 139.339, as appropriate.

(d) Make a record of all training completed after June 9, 2004 by each individual in compliance with this section that includes, at a minimum, a description and date of training received. Such records must be maintained for 24 consecutive calendar months after completion of training.

(e) As appropriate, comply with the following training requirements of this part:

(1) §139.319, Aircraft rescue and firefighting: Operational requirements;

(2) §139.321, Handling and storage of hazardous substances and materials;

(3) §139.327, Self-inspection program;

(4) §139.329, Pedestrians and Ground Vehicles;

(5) §139.337, Wildlife hazard management; and

(6) §139.339, Airport condition reporting.

(f) Use an independent organization, or designee, to comply with the requirements of its Airport Certification Manual and the requirements of this part only if—

(1) Such an arrangement is authorized by the Administrator;

(2) A description of responsibilities and duties that will be assumed by an independent organization or designee is specified in the Airport Certification Manual; and

(3) The independent organization or designee prepares records required under this part in sufficient detail to assure the certificate holder and the Administrator of adequate compliance with the Airport Certification Manual and the requirements of this part.

[Doc. No. FAA-2000-7479, 69 FR 6424, Feb. 10, 2004; Amdt. 139-26, 69 FR 31522, June 4, 2004]

§ 139.305 Paved areas.



(a) In a manner authorized by the Administrator, each certificate holder must maintain, and promptly repair the pavement of, each runway, taxiway, loading ramp, and parking area on the airport that is available for air carrier use as follows:

(1) The pavement edges must not exceed 3 inches difference in elevation between abutting pavement sections and between pavement and abutting areas.

(2) The pavement must have no hole exceeding 3 inches in depth nor any hole the slope of which from any point in the hole to the nearest point at the lip of the hole is 45 degrees or greater, as measured from the pavement surface plane, unless, in either case, the entire area of the hole can be covered by a 5-inch diameter circle.

(3) The pavement must be free of cracks and surface variations that could impair directional control of air carrier aircraft, including any pavement crack or surface deterioration that produces loose aggregate or other contaminants.

(4) Except as provided in paragraph (b) of this section, mud, dirt, sand, loose aggregate, debris, foreign objects, rubber deposits, and other contaminants must be removed promptly and as completely as practicable.

(5) Except as provided in paragraph (b) of this section, any chemical solvent that is used to clean any pavement area must be removed as soon as possible, consistent with the instructions of the manufacturer of the solvent.

(6) The pavement must be sufficiently drained and free of depressions to prevent ponding that obscures markings or impairs safe aircraft operations.

(b) Paragraphs (a)(4) and (a)(5) of this section do not apply to snow and ice accumulations and their control, including the associated use of materials, such as sand and deicing solutions.

(c) FAA Advisory Circulars contain methods and procedures for the maintenance and configuration of paved areas that are acceptable to the Administrator.

[Doc. No. FAA-2000-7479, 69 FR 6424, Feb. 10, 2004; Amdt. 139-26, 69 FR 31522, June 4, 2004]

§ 139.307 Unpaved areas.



[top](#)

(a) In a manner authorized by the Administrator, each certificate holder must maintain and promptly repair the surface of each gravel, turf, or other unpaved runway, taxiway, or loading ramp and parking area on the airport that is available for air carrier use as follows:

(1) No slope from the edge of the full-strength surfaces downward to the existing terrain must be steeper than 2:1.

(2) The full-strength surfaces must have adequate crown or grade to assure sufficient drainage to prevent ponding.

(3) The full-strength surfaces must be adequately compacted and sufficiently stable to prevent rutting by aircraft or the loosening or build-up of surface material, which could impair directional control of aircraft or drainage.

(4) The full-strength surfaces must have no holes or depressions that exceed 3 inches in depth and are of a breadth capable of impairing directional control or causing damage to an aircraft.

(5) Debris and foreign objects must be promptly removed from the surface.

(b) FAA Advisory Circulars contain methods and procedures for the maintenance and configuration of unpaved areas that are acceptable to the Administrator.

§ 139.309 Safety areas.



[top](#)

(a) In a manner authorized by the Administrator, each certificate holder must provide and maintain, for each runway and taxiway that is available for air carrier use, a safety area of at least the dimensions that—

YEARLY WORK ORDERS FOR OPERATORS

WO #	Description
	GENERAL
10203	CHECK STORM DRAINS
12113	ESCORT, MISC 2008
5431	FOD
5432	FOD IN AOA
5470	MEETING, ALL STAFF
5433	MEETING, CREW
11832	MEETINGS, SAFETY 2008
5446	PAPERWORK MEETINGS, PLANNING
5425	SHOP CLEAN UP
7394	SHOP FUNCTIONS, MISC - BIRTHDAY PARTIES ETC
11353	SHOP OVERHEAD MISC
11695	TRAINING, AOA DRIVERS 2008
9413	TRAINING, MISC - 1ST AID, TRAFFIC CONTROL ETC
10171	TRAINING, MISC - SHOP EQUIPMENT
11805	TRAINING, WILDLIFE 2008
5430	VEHICLE DETAIL
	SPECIFIC
2171	DECANT VACTOR TRUCK
2590	MOVE STEEL PLATE FOR SPU METER READ
5514	MOW ALL EAST SIDE GRASS BAYS
5515	MOW ALL WEST SIDE GRASS BAYS
5516	MOW, ALL GRASS BAYS BETWEEN RUNWAYS
5511	MOW, COMMON ROADS
10177	MOW, COMMON ROADS
5512	MOW, NORTH GRASS BAY
5513	MOW, SOUTH GRASS BAY
5519	SWEEP, AOC BLDG VEHICLE PARKING LOTS
5520	SWEEP, ARFF STATION VEHICLE PARKING
5524	SWEEP, ELLIS BLDG AND SHOP LANDSIDE VEHICLE PARKING
5518	SWEEP, LOT 13 SOUTH OF TOWER
5521	SWEEP, MIDFIELD COMPLEX VEHICLE PARKING
5530	SWEEP, MIDFIELD TIEDOWN PARKING
5537	SWEEP, NORTH PERIMETER RD, SOUTH OF NE PARKING TO MAIN
5522	SWEEP, NORTHEAST ENTRANCE PARKING LOT
5528	SWEEP, RAMP AREA FOR HANGAR 5 COMPLEX
5536	SWEEP, RAMP AREA FOR UPS COMPLEX
5534	SWEEP, RAMP AREA FRO SOUTHWEST TIEDOWN AND MOF
5533	SWEEP, RAMP AREA FROM BAX TO SE TIEDOWNS PARKING
5531	SWEEP, RAMP AREA FROM NE HANGARS TO SOUTH OF GALVINS
5532	SWEEP, RAMP AREA FROM NE TIEDOWNS TO SOUTH OF CLASSIC
5529	SWEEP, RAMP AREAS FROM SOUTH OF HANGAR 5 TO AIRBORNE
5523	SWEEP, RUBY CHOW PARK, PARKING LOT
5539	SWEEP, S PERIMETER RD, SOUTH OF MAIN TERMIANL EXIT TO
5538	SWEEP, SE PERIMETER RD, SOUTH OF PORTLAND EXIT TO
10180	SWEEP, TAXIWAY A: NE TO A2
10181	SWEEP, TAXIWAY A: A2 THRU A4
10182	SWEEP, TAXIWAY A: S OF A4 THRU A9
10183	SWEEP, TAXIWAY A: S OF A9 THRU A11
10184	SWEEP, TAXIWAY B: B1 THRU B3
10185	SWEEP, TAXIWAY B: B3 THRU B5
10186	SWEEP, TAXIWAY B: B5 THRU B7
10187	SWEEP, TAXIWAY B: B7 THRU B10
5535	SWEEP, TERMINAL/ARRIVALS RAMP AREAS
5525	SWEEP, TERMINAL/ARRIVALS VEHICLE PARKING
5517	SWEEP, TOWER VEHICLE PARKING
11620	SWEEP, UPS RAMP
5526	SWEEP, WEST RAMP B1 TO B5 INCLUDES BLAAST FENCE AREA
5527	SWEEP, WEST RAMP FROM SOUTH OF B5 TO B102
5540	SWEEP, ZULU TAXIWAY AND SPECIAL USE PAVEMENT